

JP

Notice of Allowability	Application No.	Applicant(s)	
	10/804,899	LIN ET AL.	
	Examiner	Art Unit	
	Nguyen T. Ha	2831	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/16/2005.
2. ☒ The allowed claim(s) is/are 1-6 and 21-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

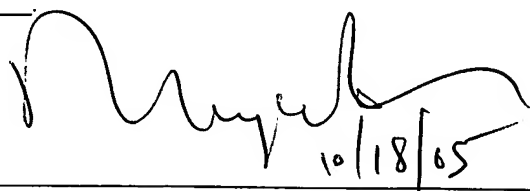
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|--|--|


10/18/05

DETAILED ACTION

Introduction

1. The examiner acknowledged the applicant's submission of the amendment dated 08/16/2005. At this point, claims 1-2 have been amended, claims 7-20 have been cancelled, and claims 21-30 have been added. Claims 1-6 and 21-30 are pending in the instant application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Randy W. Tung on 10/18/2005.

The application has been amended as follows:

Claim 24, "the capacitor of claim 24" should be - - the capacitor of claim 23 - -.

Response to Arguments

3. The applicant argued that Johnson et al. is silent with respect to a first capacitor plate layer comprising a horizontally separated and contiguously interconnected first series of tines disposed on a dielectric layer, and a second capacitor plate layer separated from the first capacitor plate layer by a contiguous serpentine shaped capacitor dielectric layer, the second capacitor plate layer comprising a horizontally

separated and contiguously. The examiner finds this argument persuasive. Therefore, the examiner made decision to allow this limitation over the prior art of record.

Allowable Subject Matter

4. Claims 1-6 and 21-30 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art alone or in combination does not teach the limitation of a first capacitor plate layer comprising a horizontally separated and contiguously interconnected first series of tines disposed on a dielectric layer, and a second capacitor plate layer separated from the first capacitor plate layer by a contiguous serpentine shaped capacitor dielectric layer, the second capacitor plate layer comprising a horizontally separated and contiguously interconnected second series of tines.

Claims 2-6 and 21-28 depend on claim 1, they are allowed for the same reason.

With respect to claims 29& 30, the prior art alone or in combination does not teach the limitation of a capacitor comprising: a comb shaped first capacitor plate layer comprising a first series of tines extending parallel to a substrate and contiguously interconnected at a base portion, and a comb shaped second capacitor plate separated from the first capacitor plate by a contiguous serpentine shaped capacitor dielectric layer, the second capacitor plate comprising a second series of tines extending parallel to the substrate and contiguously interconnected at a base portion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Kinsman (US 6,730,994) discloses an interdigitated capacitor design for integrated circuit lead frames and method, but failed to disclose a second capacitor plate layer separated from a first capacitor plate layer by a contiguous serpentine shaped capacitor dielectric layer.

b. Casey et al. (US 6,563,191) disclose interdigitated capacitor with dielectric overlay, but failed to disclose a second capacitor plate layer separated from a first capacitor plate layer by a contiguous serpentine shaped capacitor dielectric layer.

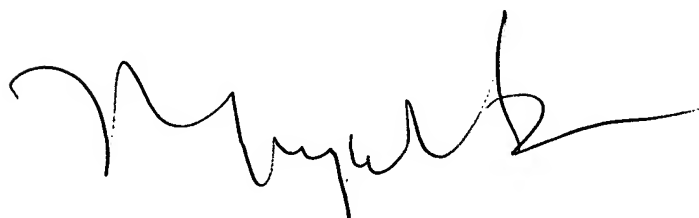
c. Galvagni et al. (US 6,496,355) disclose interdigitated capacitor with ball grid array terminations, but failed to disclose a second capacitor plate layer separated from a first capacitor plate layer by a contiguous serpentine shaped capacitor dielectric layer.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T. Ha whose telephone number is 571-272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Nguyen T. Ha', with a stylized, flowing script.

Nguyen T. Ha
October 18, 2005